



DigiJupiter

Digital Signage Player

DJP-E390(Strongest solution)

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Revision history

Revision	Revision date	Principle changes
V1.0	Jun. 2018	Create based on DJP-E390 V1.0

1 Overview

1.1 Introduction

Digi-Jupiter networked multimedia player **DJP-E390** employs the RK3399 ARM Dual Cortex A72 2.0 GHz CPU + ARM Quad Cortex A53 1.5 GHz CPU +Mali-T864 GPU. High performance, high integration, low power consumption. It runs on the Android 6.0, which has good performance. You can connect to a world of content and entertainment at home. Smoothly watching TV shows, movies, browsing webpage and photos, and playing Android games with your family and friends. It is the best choice for you to have the smooth experience to watch the video or play games. **Besides, this player is able to run 4K files**

1.2 Features

- A full-4K high-performance SoC that supports H.265 video decoding up to 4K at 60fps
- 2GB LPDDR3 + 16GB eMMC, you can download whatever you like, keep them and enjoy them
- It runs on the Android 6.0, which is good to use. You can connect to a world of content and entertainment at home with the box
- Built-in dual-band WiFi. Support IEEE 802.11 b/g/n/ac. A more stable signal for you to enjoy higher quality video experience
- HDMI 2.0 is a faster way to send video and audio output to your TV



RK3399

- Dual-core Cortex-A72 up to 2.0GHz
Quad-core Cortex-A53 up to 1.5GHz
- Mali-T864 GPU
- Dual-channel DDR3/DDR3L/LPDDR3/LPDDR4
- 4K UHD H265/H264/VP9
- HDR10/HLG
- H264 encoder
- Dual MIPI CSI and ISP
- Dual USB Type-C and USB 2.0

Smart TV Box owns very powerful configuration.



Equipped with the latest TYPE-C port



USB3.0 Type-C port: support Type-C Display Port audio and video output, the fastest read and write speed of Type-C terminal can reach 10Gbps per second, support insert into with each side, the size is about 8.3mmx2.5mm, support USB charging, data transmission, display output, support extend into three ports -- power/USB transmission/VGA or HDMI.

The level of CPU and GPU can be rated as “monster”

GPU | GPU adopts quad-core ARM new generation high-end image processor Mali-T680, which is integrated with much more bandwidth compression technology such as smart superposition,

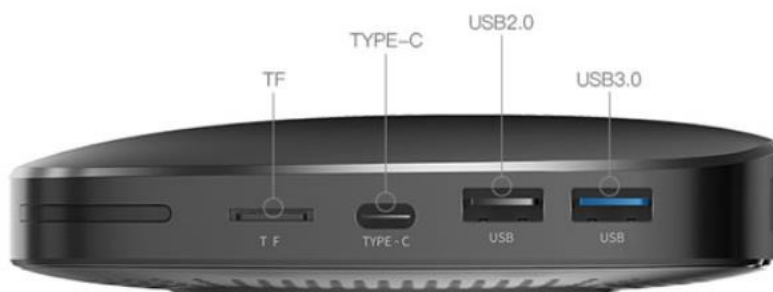
CPU | CPU adopts big.LITTLE architecture -- dual Cortex-A72 big core and four Cortex-A53 little core, which makes great optimization on integer, floating point and internal storage; and

2 Profile

2.1 Profile



Dimensions: L100 mm×W100 mm×H19mm



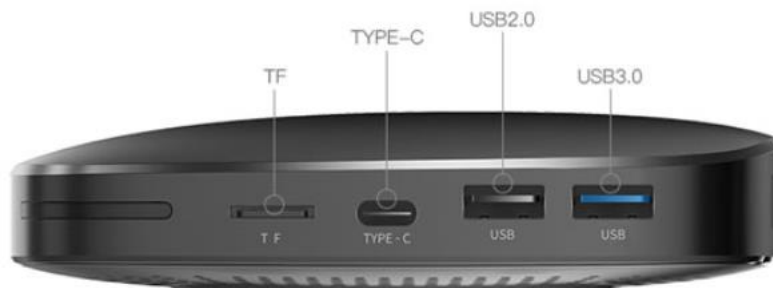
2.2 Interfaces

■ Front View



Interface	Description
DC 12V	Connects to +12V DC power
HDMI OUT	Sends audio and video signals over a single HDMI cable
OPTICAL	Audio output
ETHRNET	Connects to 10M/100M/1000M adapter Ethernet

■ Rear View



Interface	Description
TF	Connects to SD card
USB2.0 & USB3.0	Connects to USB device
Type-C	Connects to type-C device

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Specification

Hardware Configuration	
Board	Rockchip RK3399 + ARM Dual Cortex A72 2.0 GHz CPU + ARM Quad Cortex A53 1.5 GHz CPU + Mali-T864 GPU + DDR3 4Gbyte + eMMC FLASH 32GB
Resolution	Max up to 4K 60fps
Features	
OS	Android 6.0
Media Formats	
Multi Media	Support 4K VP9 and 4K 10bits H265/H264 video decoding, up to 60fps 1080P multi-format video decoding (WMV, MPEG-1/2/4, H264, VP8)
Media Formats	Multi-Media • 4K VP9 and 4K 10bits H265/H264 video decoders, up to 60fps 1080P other video decoders (WMV, MPEG-1/2/4, VP8) 1080P video encoders for H.264 and VP8 Video post processor: de-interlace, de-noise, enhancement for edge/detail/color Multiple language and multiple format sub-title video support MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918) Supports JPEG thumbnail, scaling, rotation and transition effects Supports *.mkv, *.wmv, *.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jp
Interfaces	
Power Supply	×1
Video Outputs	HDMI×1 (HDMI 2.0 for 4K 60Hz with HDCP 1.4/2.2)
LAN	×1, 10/100/1000M Ethernet
WiFi	×1, WIFI (Internal antenna 802.11b/g/n/ac)
Bluetooth 4.0	Support
USB2.0 & USB3.0	USB OTG×1 (can be used as HOST) , USB3.0×1
USB Type-C	×1
IR	×1
TF Card Slot	×1 up to 128GB
Audio	Optical x1
Other Features	
RTC	Real Time Clock for time synchronization
Electrical Parameter	
Input Power	5V---2A DC
Dimensions	
Dimensions	N/A

4 Application

Location: Belgium
 Application: Retail Chain Stores (Super Market, Tobacco Store)
 Product: Digital Poster
 Total Quantity: 300 Pieces



Location: UK
 Application: Public Reception Center
 Product: Digital Poster
 Total Quantity: 540 Pieces



Location: UK
 Application: B&Q Store
 Product: LCD AD Display



Location: UK
 Application: Retail Chain Store
 Product: LCD AD Display
 Total Quantity: 4970 Pieces

Location: France
 Application: Retail Chain Stores (Tobacco Store)
 Product: Digital Poster
 Total Quantity: 260 Pieces



Location: France
 Application: Shopping Mall
 Product: Digital Poster

